



It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

FINAL FILING DATE	<p>February 14, 2012</p> <p>Application forms (STD 678) must be POSTMARKED no later than the final filing date. Applications postmarked, personally delivered, or received via interoffice mail after the final filing date will not be accepted for any reason. FAXED OR E-MAILED APPLICATIONS WILL NOT BE ACCEPTED.</p>				
WHO SHOULD APPLY	<p>Applicants must have a permanent civil service appointment with the Department of Water Resources as of the final filing date, February 14, 2012; or</p> <p>Must be a current or former employee of the Legislature for two or more years as defined in Government Code 18990; or must be a current or former non-elected exempt employee of the Executive Branch for two or more consecutive years as defined in Government Code 18992; or must be a person retired from the United States military, honorably discharged from active military duty with a service-connected disability, or honorably discharged from active duty as defined in Government Code 18991.</p>				
HOW TO APPLY	<p>Examination Applications (Form STD 678) may be mailed or filed in person to:</p> <table border="0"> <tr> <td><u>MAILING ADDRESS:</u></td> <td><u>FILE IN PERSON:</u></td> </tr> <tr> <td>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</td> <td>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</td> </tr> </table> <p>DO NOT SEND APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.spb.ca.gov/jobs.</p>	<u>MAILING ADDRESS:</u>	<u>FILE IN PERSON:</u>	Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001	Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814
<u>MAILING ADDRESS:</u>	<u>FILE IN PERSON:</u>				
Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001	Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814				
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.				
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.				
SALARY RANGE	\$5445 - \$6575				
ELIGIBLE LIST INFORMATION	A departmental promotional eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.				
EXAMINATION DATES	The entire examination will consist of a Qualifications Appraisal Interview. It is anticipated interviews will be held during March/April 2012 .				
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p>NOTE: All applicants must meet the minimum qualifications for this examination by the final filing date, February 14, 2012.</p> <p>Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</p> <p>Education: Possession of a bachelor's or advanced degree from a recognized institution with a major in one of the following academic areas is required: water science, soil science, irrigation, hydrology, agronomy, natural resource science, physical geography, or a closely related scientific discipline. and</p> <p style="text-align: center;">Either I</p> <p>Two years of experience in the California state service performing the duties of an Associate Land and Water Use Scientist.</p> <p style="text-align: center;">Or II</p> <p>Five years of broad and increasingly responsible experience in soils and land classification, land and water use investigations, water conservation, water recycling, or water quality studies; two years of which shall have been equivalent in responsibility to the Associate Land and Water Use Scientist in the California state service; and three years of which must have been in field work. Possession of a master's degree in a major listed above may be substituted for one year of the required general experience; possession of a doctorate in the above-named disciplines may be substituted for two years of the general experience.</p>				
POSITION DESCRIPTION	<p>The Staff Land and Water Use Scientist is the advanced journey level of this series. Incumbents independently identify problems, develop courses of action, initiate, formulate, and plan as well as execute and control major studies or investigations, or continue specialized projects of major importance. Incumbents exercise a wide degree of independent professional discretion and judgment and serve as a technical expert to management and/or other governmental entities and agencies, and do other related work. Incumbents may be assigned lead responsibility for a specific project, program function, or area of expertise.</p> <p><i>Positions exists Statewide with the Department of Water Resources.</i></p>				

EXAMINATION INFORMATION	This examination will consist of a Qualifications Appraisal Interview – Weighted 100.00% . In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.
SCOPE OF EXAMINATION	<p style="text-align: center;">Qualifications Appraisal Interview – Weighted 100.00%</p> <p>In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:</p> <p>B. Knowledge of:</p> <ol style="list-style-type: none">1. Principles of soil and irrigation sciences related to irrigation and land and water use.2. Methods used in mapping of agricultural and urban land uses and classification of soils.3. California crops and crop ecology, both dry-farmed and irrigated.4. The effect of soil and other aspects of the land resource on land use practices.5. Soil surveys conducted by federal and other agencies.6. Basic soil-plant-water relationships.7. Urban landscape plants and native vegetation.8. Soil and water quality principles.9. Agricultural, and urban water use, recycling, and conservation.10. Non-conventional water sources, supply, production and use (water desalination and water recycling).11. Evaporation, evapotranspiration (ET), ET of applied water, and consumptive use.12. Soil salinity, texture, moisture, infiltration, and drainage problems.13. Return flow relationships between water use and water quality.14. Adaptability of various soils for irrigated crops.15. Suitability of land resources for agricultural, urban, environmental or other water using developments.16. Theory and practice of field crop production and soil management.17. Digital land use, and land and water use resources.18. Geographic Information Systems (GIS), data analysis management, and other analytical software applications.19. Agricultural and urban water conservation program impacts and implementation strategies.20. Water and energy relationship.21. The legislative process, long-range planning, resource management practices and techniques, and land and water resource programs, policies, and practices of the State.22. Detailed studies and investigations in the areas of urban, agricultural, and other land and water uses, water transfers, water conservation, water use efficiency, water recycling, and regional water supply and demand balances.23. Advances in technology in the acquisition, implementation, and analysis of land and water resource data.24. Provisions of the water code and other laws and court decisions relating to the above topics. <p>B. Ability to:</p> <ol style="list-style-type: none">1. Conduct soil and water tests.2. Collect data and prepare reports on field observations.3. Prepare maps and interpret aerial photographs.4. Establish and maintain cooperative relations with those contacted in the course of the work.5. Plan and make land and water use surveys.6. Prepare correspondence and reports.7. Interpret topographic maps.8. Map, classify, and digitize soils, urban and agricultural land uses, and other natural resources.9. Assist in the collection of data and preparation of reports on field surveys of land and water use and conservation practices.10. Estimate the water requirements for various agricultural, urban, and environmental uses.11. Act as leadperson on technical assignments.12. Assist in the planning and implementation of investigations and studies to collect and analyze agricultural, urban, and other land and water use and water recycling data, reach sound conclusions, and make recommendations.13. Apply or adapt scientific methods and principles.14. Analyze situations and recommend appropriate actions.15. Assist in the direction of work of others in the field.16. Prepare clear, complete, and technically accurate reports.17. Communicate effectively.18. Make oral presentations.19. Review agricultural and urban water management plans.20. Participate in the development of proposed statewide policies or programs involving agricultural and urban water use, water recycling, water conservation, and other land and water use issues.21. Review and assess the impacts of proposed legislation and coordinate activities with other State and local agencies to achieve consensus in agricultural, urban, and other land and water use, water recycling, and water quality issues.22. Work independently or as lead person to plan and implement technical projects and investigations of major importance.23. Plan and perform investigations using irrigation and agricultural data.24. Compute reference evapotranspiration estimates and forecasts and crop evapotranspiration rates.25. Determine and improve irrigation water use and scheduling.26. Estimate volumes of real water versus paper water for proposed water transfers.27. Analyze water volume conserved from changes in land use, irrigation, or farming practices.28. Compute detailed supply and demand water balances according to hydrologic basin, geographic, or political boundary.29. Determine the effectiveness of current water conservation programs and technologies.30. Assist in the development of new and modification of existing programs and technologies and estimate the potential savings from incorporating these measures.31. Analyze established and emerging technologies and work with other governmental agencies to implement these technologies.32. Represent respective State agencies on boards, commissions, and technical workgroups.33. Act as an expert witness in court or at legislative or quasi-judicial hearings.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

VETERANS
PREFERENCE

Veterans Preference Credit is not granted in promotional examinations.

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.spb.ca.gov/jobs.

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the requirements for admittance to the examination does not assure a place on the eligible list. Your performance in the examination described on this bulletin is compared to established rating criteria. All candidates who pass will be ranked according to their scores and placed on the eligible list.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Telephone Service for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.

For information regarding this examination, please contact Zambia Cain at (916) 653-9568.

D/P (Rev. 1/12)

(ZC)